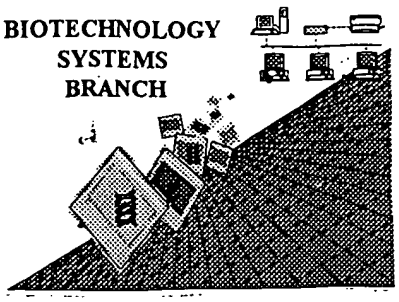
BIOTECHNOLOGY
SYSTEMS
BRANCH



KB

RAW SEQUENCE LISTING ERROR REPORT

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number: 09/831,631

Source: PCT/09

Date Processed by STIC: 10/29/2001

THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.
PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY EITHER:

1) **INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANT, WITH A NOTICE TO COMPLY or,**
2) **TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A NOTICE TO COMPLY**

FOR CRF SUBMISSION QUESTIONS, PLEASE CONTACT MARK SPENCER, 703-308-4212.

FOR SEQUENCE RULES INTERPRETATION, PLEASE CONTACT ROBERT WAX, 703-308-4216.
PATENTIN 2.1 e-mail help: patin21help@uspto.gov or phone 703-306-4119 (R. Wax)
PATENTIN 3.0 e-mail help: patin3help@uspto.gov or phone 703-306-4119 (R. Wax)

TO REDUCE ERRORED SEQUENCE LISTINGS, **PLEASE** USE THE **CHECKER VERSION 3.0 PROGRAM**, ACCESSIBLE THROUGH THE U.S. PATENT AND TRADEMARK OFFICE WEBSITE. SEE BELOW:

Checker Version 3.0

The Checker Version 3.0 application is a state-of-the-art Windows based software program employing a logical and intuitive user-interface to check whether a sequence listing is in compliance with format and content rules. Checker Version 3.0 works for sequence listings generated for the original version of 37 CFR §§1.821 – 1.825 effective October 1, 1990 (old rules) and the revised version (new rules) effective July 1, 1998 as well as World Intellectual Property Organization (WIPO) Standard ST.25.
Checker Version 3.0 replaces the previous DOS-based version of Checker, and is Y2K-compliant. Checker allows public users to check sequence listings in Computer Readable form (CRF) before submitting them to the United States Patent and Trademark Office (USPTO). Use of Checker prior to filing the sequence listing is expected to result in fewer errored sequence listings, thus saving time and money.

Checker Version 3.0 can be down loaded from the USPTO website at the following address:
http://www.uspto.gov/web/offices/pac/checker

PCT 09

RAW SEQUENCE LISTING DATE: 10/29/2001
PATENT APPLICATION: US/09/831,631 TIME: 14:16:11

Input Set : A:\6750018999.txt
Output Set: N:\CRF3\10292001\I831631.raw

Does Not Comply
Corrected Diskette Needed

pp 1-3

3 <110> APPLICANT: Burch, Ronald
4 Sackler, David
6 <120> TITLE OF INVENTION: Contraceptive Antibody Vaccines
8 <130> FILE REFERENCE: 6750-018-999
10 <140> CURRENT APPLICATION NUMBER: 09/831,631
W--> 11 <141> CURRENT FILING DATE: 2001-09-21
13 <160> NUMBER OF SEQ ID NOS: 70
15 <170> SOFTWARE: PatentIn version 3.0
17 <210> SEQ ID NO: 1
18 <211> LENGTH: 16
19 <212> TYPE: DNA
C--> 20 <213> ORGANISM: Artificial
22 <220> FEATURE:
23 <221> NAME/KEY: misc_feature
24 <223> OTHER INFORMATION: Description of artificial sequence: Primer for PCR
26 <400> SEQUENCE: 1
27 aacagctatg accatg 16
29 <210> SEQ ID NO: 2
30 <211> LENGTH: 20
31 <212> TYPE: DNA
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34 <220> FEATURE:
35 <221> NAME/KEY: misc_feature
36 <223> OTHER INFORMATION: Description of artificial sequence: Primer for PCR
38 <400> SEQUENCE: 2
39 gaattcatgg cttgggtgtg 20
41 <210> SEQ ID NO: 3
42 <211> LENGTH: 14
43 <212> TYPE: PRT
C--> 44 <213> ORGANISM: Artificial
46 <220> FEATURE:
47 <221> NAME/KEY: misc_feature
48 <223> OTHER INFORMATION: Description of artificial sequence: CDR Drived peptide

do you mean derived?

50 <220> FEATURE:
51 <221> NAME/KEY: SITE
52 <222> LOCATION: (1)..(1)
53 <223> OTHER INFORMATION: Xaa = biotin

Xaa can only represent a single amino acid, nothing else

55 <400> SEQUENCE: 3
W--> 56 Xaa Thr Ala Lys Ala Ser Gln Ser Val Ser Asn Asp Val Ala
57 1 5 10
58 <210> SEQ ID NO: 4
59 <211> LENGTH: 10
60 <212> TYPE: PRT
C--> 61 <213> ORGANISM: Artificial
63 <220> FEATURE:
64 <221> NAME/KEY: misc_feature
65 <223> OTHER INFORMATION: Description of artificial sequence: CDR Drived peptide

RAW SEQUENCE LISTING DATE: 10/29/2001
PATENT APPLICATION: US/09/831,631 TIME: 14:16:11

Input Set : A:\6750018999.txt
Output Set: N:\CRF3\10292001\I831631.raw

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     68 <221> NAME/KEY: site
     69 <222> LOCATION: (1)..(1)
     70 <223> OTHER INFORMATION: Xaa = biotin
     72 <400> SEQUENCE: 4
W--> 73 Xaa Ile Tyr Tyr Ala Ser Asn Arg Tyr Thr
     74 1               5                  10
     75 <210> SEQ ID NO: 5
     76 <211> LENGTH: 12
     77 <212> TYPE: PRT
C--> 78 <213> ORGANISM: Artificial
     80 <220> FEATURE:
     81 <221> NAME/KEY: misc_feature
     82 <223> OTHER INFORMATION: Description of artificial sequence: CDR Drived peptide
     84 <220> FEATURE:
     85 <221> NAME/KEY: site
     86 <222> LOCATION: (1)..(1)
     87 <223> OTHER INFORMATION: Xaa = biotin
     89 <400> SEQUENCE: 5
W--> 90 Xaa Phe Ala Gln Gln Asp Tyr Ser Ser Pro Leu Thr
     91 1               5                  10
     92 <210> SEQ ID NO: 6
     93 <211> LENGTH: 8
     94 <212> TYPE: PRT
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     97 <220> FEATURE:
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     99 <223> OTHER INFORMATION: Description of artificial sequence: CDR Drived peptide
    101 <220> FEATURE:
    102 <221> NAME/KEY: site
    103 <222> LOCATION: (1)..(1)
    104 <223> OTHER INFORMATION: Xaa = biotin
    106 <400> SEQUENCE: 6
W--> 107 Xaa Phe Thr Asn Tyr Gly Met Asn
    108 1               5
    109 <210> SEQ ID NO: 7
    110 <211> LENGTH: 20
    111 <212> TYPE: PRT
C--> 112 <213> ORGANISM: Artificial
    114 <220> FEATURE:
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    116 <223> OTHER INFORMATION: Description of artificial sequence: CDR Drived peptide
    118 <220> FEATURE:
    119 <221> NAME/KEY: site
    120 <222> LOCATION: (1)..(1)
    121 <223> OTHER INFORMATION: Xaa = biotin
    123 <400> SEQUENCE: 7
W--> 124 Xaa Ala Gly Trp Ile Asn Thr Tyr Thr Gly Glu Pro Thr Tyr Ala Asp
    125 1               5                  10                  15
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RAW SEQUENCE LISTING DATE: 10/29/2001
PATENT APPLICATION: US/09/831,631 TIME: 14:16:12

Input Set : A:\6750018999.txt
Output Set: N:\CRF3\10292001\I831631.raw

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     127             20
     128 <210> SEQ ID NO: 8
     129 <211> LENGTH: 12
     130 <212> TYPE: PRT
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     133 <220> FEATURE:
     134 <221> NAME/KEY: misc_feature
     135 <223> OTHER INFORMATION: Description of artificial sequence: CDR Drived peptide
     137 <220> FEATURE:
     138 <221> NAME/KEY: site
     139 <222> LOCATION: (1)..(1)
     140 <223> OTHER INFORMATION: Xaa = biotin
     142 <400> SEQUENCE: 8
W--> 143 Xaa Ala Arg Ala Tyr Tyr Gly Lys Tyr Phe Asp Tyr
     144 1               5                   10
     145 <210> SEQ ID NO: 9
     146 <211> LENGTH: 221
     147 <212> TYPE: DNA
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     150 <220> FEATURE:
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     152 <223> OTHER INFORMATION: Description of Artificial Sequence: Sperm cell specific
epitope
     154 <400> SEQUENCE: 9
     155 gaattccagc cttcaggtga acatggctcc ggtgaacagc cttctggtga gcaggcctcg     60
     156 ggtgaacagc cttcaggtga gcacgcttca ggggaacagg cttcaggtgc accaatttca    120
     157 agcacatcta caggcacaat attaaattgc tacacatgtg cttatatgaa tgatcaagga    180
     158 aaatgtcttc gtggagaggg aacctgcatc actcagaatt c                        221
     160 <210> SEQ ID NO: 10
     161 <211> LENGTH: 69
     162 <212> TYPE: PRT
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     165 <220> FEATURE:
     166 <221> NAME/KEY: misc_feature
     167 <223> OTHER INFORMATION: Description of Artificial Sequence: Sperm cell specific
epitope
     169 <400> SEQUENCE: 10
     170 Gln Pro Ser Gly Glu His Gly Glu Gln Pro Ser Gly Glu Gln Ala Ser
     171 1               5                   10                  15
     172 Gly Glu Gln Pro Ser Gly Glu His Ala Ser Gly Glu Gln Ala Ser Gly
     173             20                  25                  30
     174 Ala Gln Ile Ser Ser Thr Ser Thr Gly Thr Ile Leu Asn Cys Tyr Thr
     175         35                  40                  45
     176 Cys Ala Tyr Met Asn Asp Gln Gly Lys Cys Leu Arg Gly Glu Gly Thr
     177     50                  55                  60
     178 Cys Ile Thr Gln Asn
     179 65
     180 <210> SEQ ID NO: 11
     181 <211> LENGTH: 75
     182 <212> TYPE: DNA
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RAW SEQUENCE LISTING DATE: 10/29/2001
PATENT APPLICATION: US/09/831,631 TIME: 14:16:12

Input Set : A:\6750018999.txt
Output Set: N:\CRF3\10292001\I831631.raw

C--> 183 <213> ORGANISM: Artificial
185 <220> FEATURE:
186 <221> NAME/KEY: misc_feature
187 <223> OTHER INFORMATION: Description of Artificial Sequence: Cloning primers for SP10
189 <400> SEQUENCE: 11
190 gaattccagc cttcaggtga acatggctcc ggtgaacagc cttctggtga gcaggcctcg 60
191 ggtgaacagc cttag 75
193 <210> SEQ ID NO: 12
194 <211> LENGTH: 75
195 <212> TYPE: DNA
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198 <220> FEATURE:
199 <221> NAME/KEY: misc_feature
200 <223> OTHER INFORMATION: Description of Artificial Sequence: Cloning primers for SP10
202 <400> SEQUENCE: 12
203 gtgagcacgc ttcaggggaa cagccttcag gtgcaccaat ttcaagcaca tctacaggca 60
204 caatattaaa ttgct 75
206 <210> SEQ ID NO: 13
207 <211> LENGTH: 70
208 <212> TYPE: DNA
C--> 209 <213> ORGANISM: Artificial
211 <220> FEATURE:
212 <221> NAME/KEY: misc_feature
213 <223> OTHER INFORMATION: Description of Artificial Sequence: Cloning primers for SP10
215 <400> SEQUENCE: 13
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217 ctcagaattc 70
219 <210> SEQ ID NO: 14
220 <211> LENGTH: 70
221 <212> TYPE: DNA
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226 <223> OTHER INFORMATION: Description of Artificial Sequence: Cloning primers for SP10
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230 ctcagaattc 70
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233 <211> LENGTH: 79
234 <212> TYPE: DNA
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237 <220> FEATURE:
238 <221> NAME/KEY: misc_feature
239 <223> OTHER INFORMATION: Description of Artificial Sequence: Cloning primers for SP10
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242 gaattctgag tgatgcaggt tccctctcca cgaagacatt ttccttgatc attcatataa 60
243 gcacatgtgt agcaattta 79
245 <210> SEQ ID NO: 16
246 <211> LENGTH: 79

RAW SEQUENCE LISTING DATE: 10/29/2001
PATENT APPLICATION: US/09/831,631 TIME: 14:16:12

Input Set : A:\6750018999.txt
Output Set: N:\CRF3\10292001\I831631.raw

247 <212> TYPE: DNA
C--> 248 <213> ORGANISM: Artificial
250 <220> FEATURE:
251 <221> NAME/KEY: misc_feature
252 <223> OTHER INFORMATION: Description of Artificial Sequence: Cloning primers for SP10
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255 gaattctgag tgattgcggt tccctctcca cgaagtgctt tttgatgatc attcatataa 60
256 gctgctgtgt agcaattta 79
258 <210> SEQ ID NO: 17
259 <211> LENGTH: 75
260 <212> TYPE: DNA
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263 <220> FEATURE:
264 <221> NAME/KEY: misc_feature
265 <223> OTHER INFORMATION: Description of Artificial Sequence: Cloning primers for SP10
267 <400> SEQUENCE: 17
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269 gctcacctga aggct 75
271 <210> SEQ ID NO: 18
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273 <212> TYPE: DNA
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276 <220> FEATURE:
277 <221> NAME/KEY: misc_feature
278 <223> OTHER INFORMATION: Description of Artificial Sequence: Cloning primers for SP10
280 <400> SEQUENCE: 18
281 gttctcccga ggcctgctca ccagaaggct gttcaccgga gccatgttca cctgaaggct 60
282 ggaattc 67
284 <210> SEQ ID NO: 19
285 <211> LENGTH: 210
286 <212> TYPE: DNA
C--> 287 <213> ORGANISM: Artificial
289 <220> FEATURE:
290 <221> NAME/KEY: misc_feature
291 <223> OTHER INFORMATION: Description of Artificial Sequence: Sperm cell specific epitope M
292 SA-6
294 <400> SEQUENCE: 19
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296 agcctctgct tgctgttcct cttgctgcga tacagctgcg gcgacggcag ctgcagccga 120
297 cgatactgcg acttgacggt gtgccggcga atgtacttgc tgctgcgatt cacggacccg 180
298 ccgctcccgc agacgtgctg cgtcttgagc 210
300 <210> SEQ ID NO: 20
301 <211> LENGTH: 70
302 <212> TYPE: PRT
C--> 303 <213> ORGANISM: Artificial
305 <220> FEATURE:
306 <221> NAME/KEY: misc_feature
307 <223> OTHER INFORMATION: Description of Artificial Sequence: Sperm cell specific epitope M
308 SA-6

VERIFICATION SUMMARY DATE: 10/29/2001
PATENT APPLICATION: US/09/831,631 TIME: 14:16:13

Input Set : A:\6750018999.txt
Output Set: N:\CRF3\10292001\I831631.raw

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L:20 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:1
L:32 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:2
L:44 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:3
L:56 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3
L:61 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:4
L:73 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:4
L:78 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:5
L:90 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:5
L:95 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:6
L:107 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:6
L:112 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:7
L:124 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:7
L:131 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:8
L:143 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:8
L:148 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:9
L:163 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:10
L:183 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:11
L:196 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:12
L:209 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:13
L:222 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:14
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L:584 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:40
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VERIFICATION SUMMARY
PATENT APPLICATION: US/09/831,631

DATE: 10/29/2001
TIME: 14:16:13

Input Set : A:\6750018999.txt
Output Set: N:\CRF3\10292001\I831631.raw

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L:718 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:50